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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,620	07/16/2003	Byung-Jin Kim	2950-0270P	7305
2292 7590 08/27/2007 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			EXAMINER BOCCIO, VINCENT F	
			ART UNIT 2165	PAPER NUMBER
			NOTIFICATION DATE 08/27/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary

Application No.

10/619,620

Applicant(s)

KIM ET AL.

Examiner

Vincent F. Boccio

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Pre-Amend. 3/17/04.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 20-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 20-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 09/245,855.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 7/15/03 & 1/25/05.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

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DETAILED ACTION

The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2165.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 20-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Kashiwagi et al. (US 5,923,869).

Regarding claim 20, Kashiwagi discloses and meets the limitations associated with a method and associated apparatus for creating seamless presentation information of picture data in a record medium, comprising the steps of:

- a) recording picture data being received on the record medium by grouping the data into objects (Figs. 2, 20 and 24); and
- b) selectively creating the seamless presentation information (col. 43, line 35-, col. 44, line 12-, "target scene to be seamlessly connected to the preceding scene based on scenario data St7", col. 34, lines 24-64, "seamless Playback") for each object based on the type of picture data being recorded.

Regarding claims 21-22, Kashiwagi further meets the limitations of not creating seamless information, for each object or not all objects and further not creating when the picture data is still picture data (see col. 20, lines 34-36, "video title set ... comprising still image data, since the disclosure is void of seamless presentation associated with still images, being a negative limitation, meets the limitation of not creating seamless information with respect to still picture data objects), but, provides for creation of seamless presentation information between two moving picture data objects (see above).

Regarding claims 23-24, Kashiwagi further meets the limitations of seamless information is included in the

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Navigation information pertaining to each object (Fig. 20, "NV", "DSI", "Seamless Playback {SML_PBI} and Angle Info for Seamless {SML_AGLI}"), which include Flags (such as shown in Fig. 20, also see related disclosure col. 21, line 30-, "seamless playback flag SPF", etc.....).

Regarding claim 25, Kashiwagi further meets the limitations of wherein the seamless presentation information includes at least one field of SCR or system clock reference or time data (see Fig. 19, "SCR file being a part of PKH", Fig. 20, wherein the "PKH", field having SCR field is part of NV, part of DSI), therefore, met and proven, in view of the combination of Figs. 19-20.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

4. Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kashiwagi et al. (US 5,923,869) in view of Okada et al. (US 6,181,870).

Regarding claim 26, Kashiwagi further meets the limitations of wherein at least one field includes SCR, but, fails to disclose wherein the at least one field of the SCR comprised the last SCR

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of the former of two successive objects and the first SCR, of the latter of the two successive objects (see applicant disclosure Fig. 7 B).

Okada teaches at col. 42, lines 10-23, "first and last SCR of the former VOB and latter VOB, the seamless flag ... into the seamless linking information for the former VOB", as taught by Okada..

Therefore, it would have been obvious to one skilled in the art at the time of the invention to modify **Kashiwagi** by incorporating first and last SCR values into the SCR field, being related to the former and latter respectively, of two successive objects, as taught by **Okada**, thereby providing more resolution of time information to utilize during reproduction operation as taught by Okada, as is deemed obvious to utilize known management structures in the same field of endeavor as is obvious to those skilled in the art.

Contact Information

Any inquiry concerning this communication or earlier communications should be directed to the examiner of record Vincent F. Boccio whose telephone number is (571) 272-7373.

The examiner can normally be reached on between Monday thru Friday between (7:30 am to 5:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (571) 272-4146.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner, Boccio, Vincent
8/19/07


VINCENT BOCCIO
PRIMARY EXAMINER